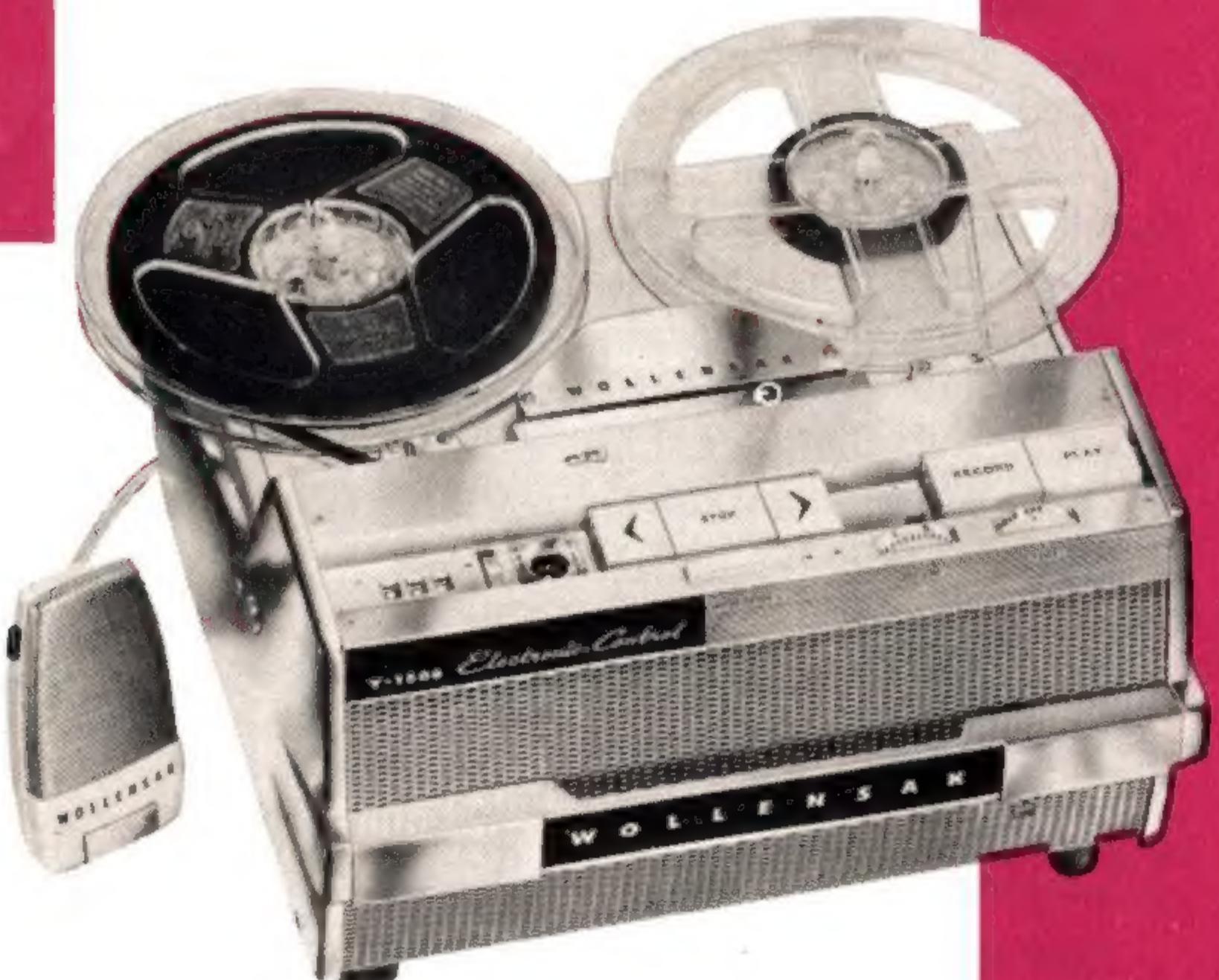


the Lightweight Champion

OF HI-FIDELITY TAPE RECORDERS



Airplane construction and miniaturized components make

WOLLENSAK

So light... So compact

... you can record anywhere!

Take it with you and tape record anywhere! Take the Wollensak from home to business . . . to meetings . . . conventions . . . to parties . . . to recitals. Tape record your friends' record collections at their homes. Record vacation experiences and distant relatives' voices.

For convenience and performance there has never been a recorder to equal Wollensak! Despite amazing compactness it packs astonishing volume and delivers full, rich tone comparable to the finest professional equipment. Weighing only 20 pounds it is truly portable. Hardly larger than a letterhead (only 10 $\frac{1}{4}$ " x 11 $\frac{3}{4}$ ") it tucks into the car, plane and train compartment.

It's another electronic achievement of Wollensak craftsmanship, renowned the world over for superb lenses and photographic equipment. Built like a fine watch, Wollensak's high quality is evident in every detail of its construction, operation and smart styling.

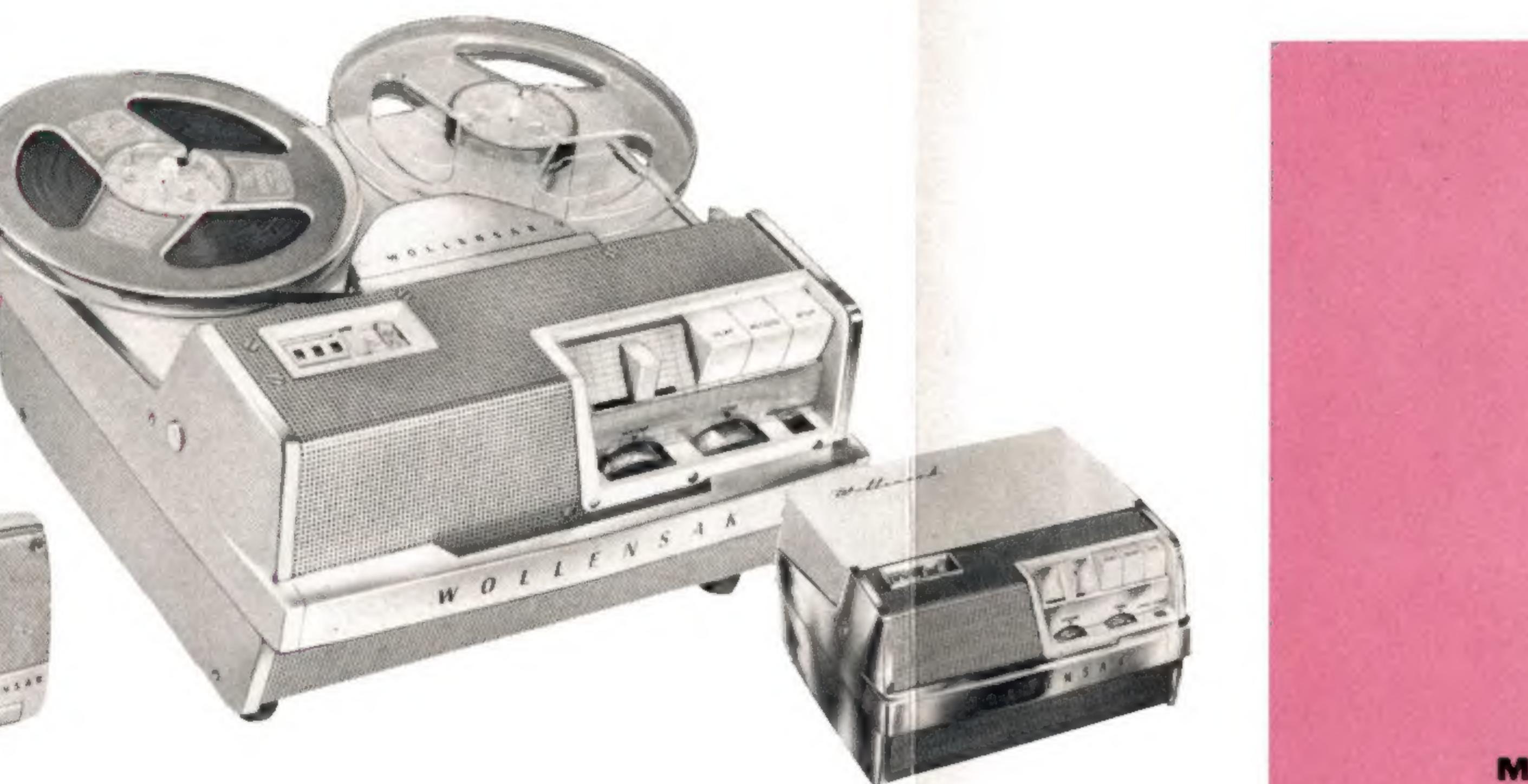


10-WATT AMPLIFICATION! More than 4 times the power of larger, less portable recorders. Enough power to fill an auditorium!



EASY KEYBOARD OPERATION! A touch of your finger records on tape, plays back or stops the recorder. All on one convenient panel.

the most compact hi-fidelity tape recorder available!



MODEL "T-1500" DUAL SPEED HI-FIDELITY RECORDER

The ultimate of portability with the utmost in monaural sound reproduction. A marvel of compactness using miniaturized components and all-metal airplane construction. Delivers 10 watts of "Balanced-Tone" pure hi-fidelity sound with enough power to accommodate large auditorium speaker systems. Dual speeds of 3.75 and 7.5 ips. with reels up to 7 inches. Playing time 3 hours, using long-play tape. Simplified keyboard controls, exclusive high speed rewind lever, two-level recording indicator, index counter. Measures only 10 $\frac{1}{4}$ " x 11 $\frac{3}{4}$ " x 6 $\frac{1}{2}$ " deep. MODEL T-1500, complete with wide range ceramic type microphone, 2 reels (one with tape) and cords \$199.50

GUARANTEED SPECIFICATIONS Frequency Response—40-15,000 cps. \pm 3 db. at 7 $\frac{1}{2}$ ips; 40-8,000 cps. \pm 3 db. at 3 $\frac{3}{4}$ ips. Both Speeds—Signal to noise ratio 48 db.; Wow and flutter less than 0.3%; Distortion less than 0.8%.



MODEL "T-1515-4" STEREOPHONIC IN-LINE HI-FIDELITY RECORDER

• Plays 2 or 4-track stereo tapes • Records up to 4 separate monaural tracks

The same features as "1500" but with stereo head and precision track shifting mechanism that enables playing 2 and 4-track stereo tape without compromise. The exclusive Wollensak track dialing feature enables recording up to 4 separate monaural tracks on a single roll of tape, resulting in an up to four to one savings in tape cost.

The lower stereo channel with built-in preamplifier plugs directly into the input of a hi-fi stereo system, radio, phonograph or TV serving as a second speaker for magnificent third dimensional stereo sound. Dual speeds, two-level recording indicator, keyboard controls, index counter, etc. MODEL T-1515-4, with microphone, 2 reels (one with tape), cords, \$229.50

GUARANTEED SPECIFICATIONS: Frequency response of both channels: 30-20,000 CPS \pm 3 db at 7 $\frac{1}{2}$ ips (NARTB standard equalization). Upper channel response: 30-15,000 CPS \pm 3 db at 3 $\frac{3}{4}$ ips. Wow and flutter less than 0.3%. Signal to noise ratio greater than 48 db. Signal from preamp output 0.5-1.5 volts. Crosstalk—50 db.



WOLLENSAK
MODEL T-1515-4

RADIO,
TV OR
HI-FI SYSTEM

FEATURES

unmatched by any tape recorder

Compact—Lightweight portability. Size: 10 $\frac{1}{4}$ " x 11 $\frac{3}{4}$ " x 6 $\frac{1}{2}$ ".

Two Models—Monaural or Stereophonic In-Line with built-in lower channel pre-amp.

7-Inch Reels—Three hours play with long-play tape. Two hours with standard tape. Also takes 3" and 5" reels. (6 Hours on Stereo Model)

Dual Speeds—3.75 or 7.5 ips. with control on front panel.

10-Watts Push-Pull—Enough power to feed auditorium speakers directly. Also serves as amplifier for hi-fi systems.

Keyboard Control—Simplest, easiest operation.

Tone Control—Full Treble and Bass (not just high frequency cut-off) plus exclusive "Balanced-Tone" all on one control.

High Speed Lever—Tape can be inched forward or reeled at high speed; instantaneous rewind from full speed forward without danger of breaking tape. Use of lever automatically releases keys.

Two-Level Indicator—Tells at a glance whether recording level is normal or distorted.

Stop Lever—Instant, split-second stops and starts in either "record" or "play".

"Record" Safety Lock—Prevents "record" key from being operated unintentionally.

Extension Jack—10 watts at 8 ohms for hi-fi speakers.

Public Address System—Switch provided for P.A. system.

Index Counter—Permits precision location of taped material.

Microphone—Professional type ceramic wide range.

High Frequency Erase—Automatic head demagnetization permits unlimited recordings on same tape.

Complete group of accessories for versatile tape recording shown on back page.

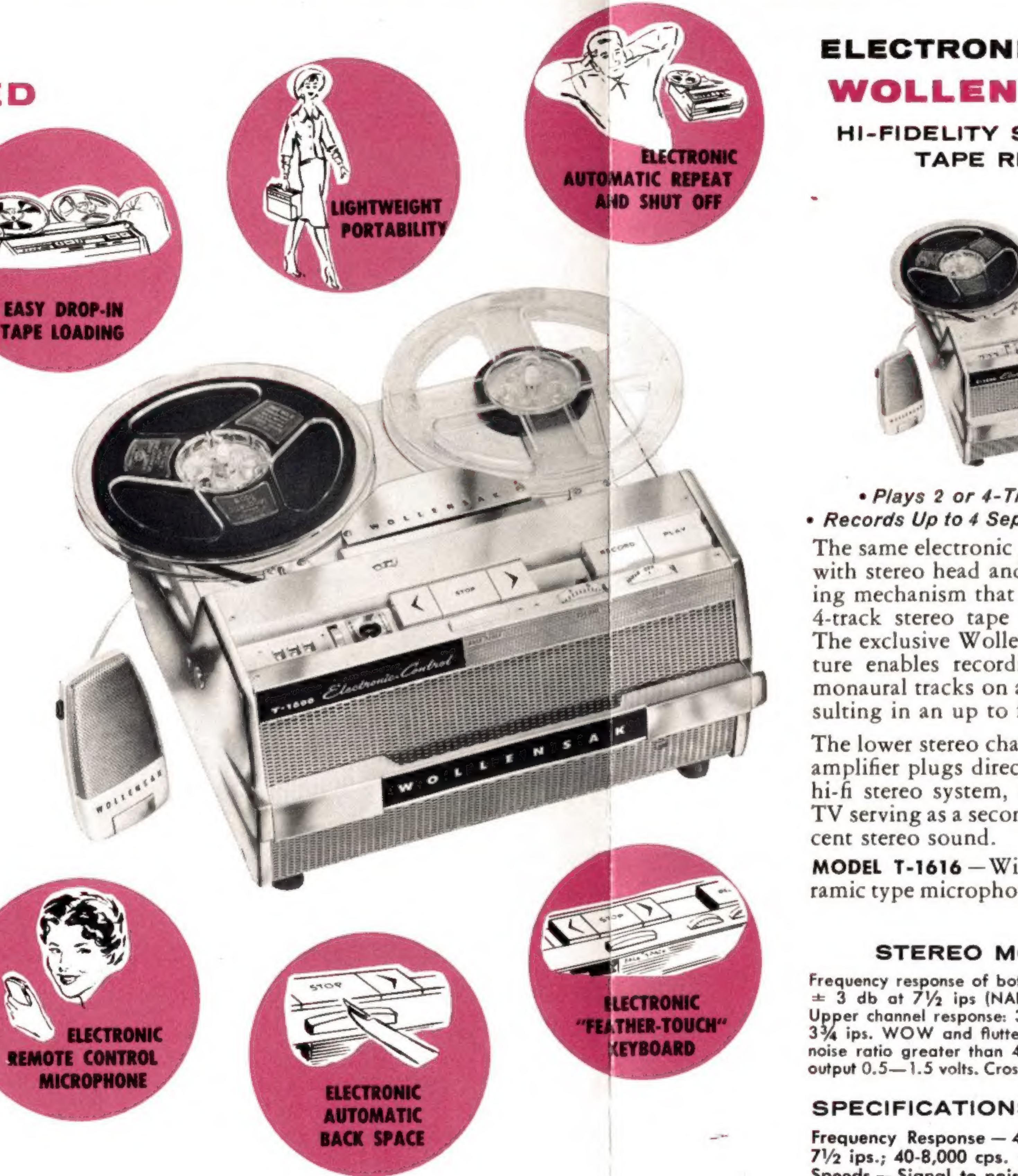
**ELECTRONICALLY CONTROLLED
WOLLENSAK "1600"
HI-FIDELITY DUAL SPEED TAPE RECORDER**

STOPS • REWINDS • REPLAYS • TURNS OFF
AUTOMATICALLY

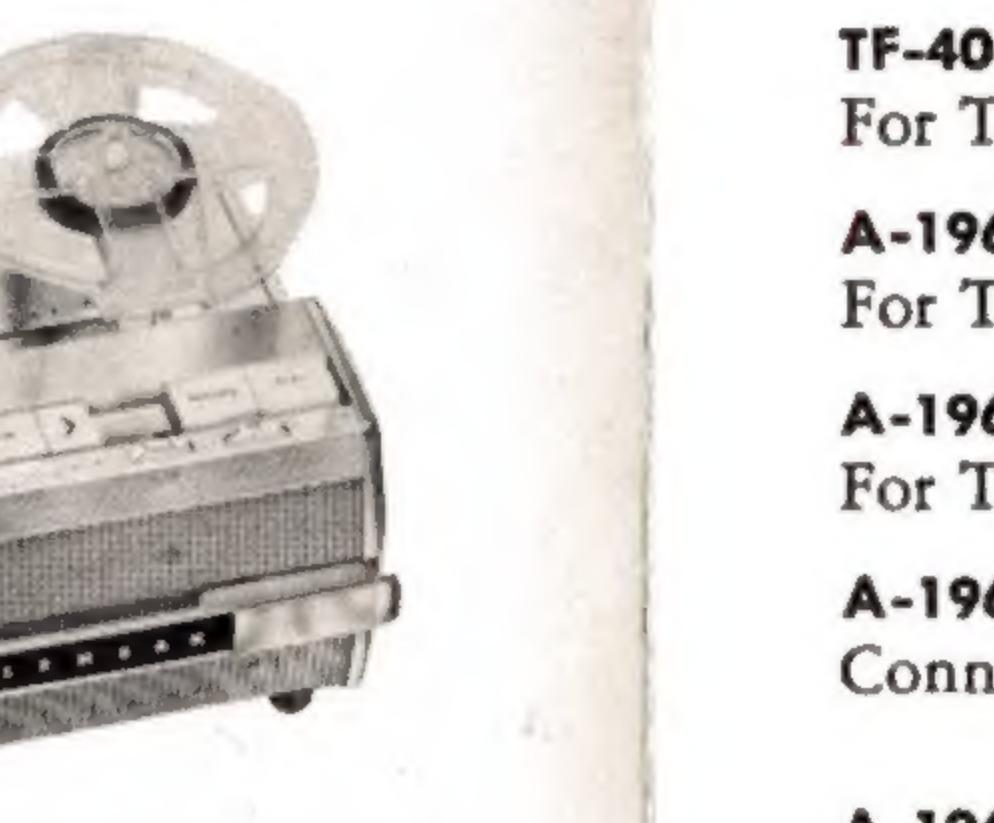
Imagine . . . continuous automatic operation for hours and hours of musical enjoyment or repeated messages without lifting a finger. A feather touch of the electronic keyboard and the recorder functions to your choice—effortlessly, positively, silently. A light touch of the (newly innovated) "BACK SPACE BAR" provides instant rewind and immediate replay of a word, phrase, musical passage, etc., as desired—an invaluable aid for corrections and teaching. Also a "PUSH-TO-TALK" electronic control is placed on the microphone so that the recorder can be controlled from remote locations.

A specially designed Wollensak hi-compliance speaker is provided which compresses the mid-range, thereby extending the high-low tone range beyond speakers and case of the same size. 10 watt amplifier—enough power to drive multiple auditorium size speakers. "BALANCED-TONE" (loudness control) emphasizes treble and bass and varies with volume setting for more realistic hi-fidelity quality. Electrical specifications are as per the Model T-1500. Has dual speeds of $3\frac{3}{4}$ and $7\frac{1}{2}$ ips.; 2-level record indicators; electronic function indicator lamps; index counter; accepts 7" reels; ultra-compact, weighing a scant 20 pounds for real portability.

MODEL T-1600—with remote control, ceramic-type microphone; two reels; tape and cords—\$299.50



**ELECTRONIC CONTROL
WOLLENSAK "1616"
HI-FIDELITY STEREOPHONIC
TAPE RECORDER**



- Plays 2 or 4-Track Stereo Tapes
 - Records Up to 4 Separate Monaural Tracks
- The same electronic automatic features but with stereo head and precision track shifting mechanism that enables playing 2 and 4-track stereo tape without compromise. The exclusive Wollensak track dialing feature enables recording up to 4 separate monaural tracks on a single roll of tape resulting in an up to four to one savings.
- The lower stereo channel with built-in pre-amplifier plugs directly into the input of a hi-fi stereo system, radio, phonograph or TV serving as a second speaker for magnificent stereo sound.
- MODEL T-1616**—With remote control ceramic type microphone, 2 reels, tape, cords. \$329.50

STEREO MODEL ONLY
Frequency response of both channels: 30-20,000 CPS \pm 3 db at $7\frac{1}{2}$ ips (NARTB standard equalization). Upper channel response: 30-15,000 CPS \pm 3 db at $3\frac{3}{4}$ ips. Wow and flutter less than 0.3%. Signal to noise ratio greater than 48 db. Signal from preamp output 0.5-1.5 volts. Crosstalk—50 db.

SPECIFICATIONS MODEL T-1600
Frequency Response—40-15,000 cps. \pm 3db. at $7\frac{1}{2}$ ips.; 40-8,000 cps. \pm 3 db. at $3\frac{3}{4}$ ips. Both Speeds—Signal to noise ratio 48 db.; Wow and flutter less than 0.3%; Distortion less than 0.8%.

ACCESSORIES

- SK-707—STEREOPHONIC KIT**
Converts Model T-1500 and T-1600 recorders to TWO TRACK IN-LINE Hi-Fidelity playback and monaural recording. \$34.50
- TF-404—MECHANICAL FOOT CONTROL**
For T-1500 series. \$17.50
- A-196-2—MICROPHONE EXTENSION CORD**
For T-1500 series. \$7.50
- A-196-19—MICROPHONE EXTENSION CORD**
For T-1600 series. \$7.50
- A-196-12—ATTACHMENT CORD**
Connects recorder to TV, radio or phono. All models. \$2.50
- A-196-13—HI-FI CABLE**
Connects recorder to Hi-Fi amplifier or AM-FM tuner. All models. \$2.00
- A-196-15—STEREO PRE-AMP CABLE**
Connects lower channel of recorder output to input of radio, TV or phono. For stereo models only. \$3.00
- B-179-5—MIXER**
For microphone and phono. All models. \$15.00
- TE-401—EARPHONES**
With chin band. All models. \$10.50
- A-187-10—CARD OF CONTACT TABS**
For T-1600 series. \$1.00
- TSC-405—CARRYING CASE**
Vinyl slip-over type. Fits all models. \$7.50

**WOLLENSAK OPTICAL CO.
320 E. 21st St., Chicago 16, Ill.**

WOLLENSAK



*the
Lightweight
Champion*

**OF HI-FIDELITY
TAPE RECORDERS**

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